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NOTICE OF ALLOWANCE AND FEE(S) DUE

24239

7590

10/07/2010

MOORE & VAN ALLEN PLLC P.O. BOX 13706 Research Triangle Park, NC 27709

| EXAMINER | | | | | |
|-----------------|--------------|--|--|--|--|
| WEBB, GREGORY E | | | | | |
| ART UNIT | PAPER NUMBER | | | | |
| 1796 | | | | | |

DATE MAILED: 10/07/2010

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|-----------------------|------------------|
| 10/581.475 | 08/10/2007 | David D. Bernhard | 020732-308.690 PCT US | 3839 |

TITLE OF INVENTION: RESIST, BARC AND GAP FILL MATERIAL STRIPPING CHEMICAL AND METHOD

| ĺ | APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|---|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| • | nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 01/07/2011 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

| appropriate. All further ndicated unless correcte naintenance fee notifica | correspondence includir ed below or directed oth tions. | ng the Patent, advance on nerwise in Block 1, by (a | rders and notification of a) specifying a new corre | maintenance fees vespondence address | vill be ; and/o | mailed to the current or (b) indicating a separ | correspondence address as rate "FEE ADDRESS" for |
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| CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address | | | Fe pa | e(s) Transmittal. Thoers. Each additions | is certii Il papei | ficate cannot be used for | domestic mailings of the or any other accompanying at or formal drawing, must |
| 24239 | 7590 10/07 | /2010 | na | | | e of Mailing or Transn | niccian |
| P.O. BOX 13706 | AN ALLEN PLLC 6 de Park, NC 27709 | | I h Ste ade tra | ereby certify that the test Postal Service of the Mainsmitted to the USF | nis Fee(with suft Stop TO (57 | (s) Transmittal is being efficient postage for first ISSUE FEE address (1) 273-2885, on the dates | deposited with the United class mail in an envelope above, or being facsimile te indicated below. |
| | | | | | | | (Depositor's name) |
| | | | | | | | (Signature) |
| | | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | FIRST NAMED INVENTO | 3 | ATTC | RNEY DOCKET NO. | CONFIRMATION NO. |
| 10/581,475 | 08/10/2007 | | David D. Bernhard | | 02073 | 32-308.690 PCT US | 3839 |
| APPLN, TYPE | SMALL ENTITY | ISSUE FEE DUE | STRIPPING CHEMICAI | 1 | | TOTAL FEE(S) DUE | DATE DUE |
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| nonprovisional | NO | \$1510 | \$300 | \$0 ¬ | | \$1810 | 01/07/2011 |
| EXAM | | ART UNIT | CLASS-SUBCLASS | _ | | | |
| WEBB, GR | | 1796 | 510-175000 | | | | |
| Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. | | | or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to | | | | |
| PLEASE NOTE: Uni recordation as set fort (A) NAME OF ASSIG | less an assignee is ident h in 37 CFR 3.11. Comp GNEE | ified below, no assignee oletion of this form is NO | T a substitute for filing at | patent. If an assign a assignment. Y and STATE OR (| COUNT | TRY) | ocument has been filed for |
| lease check the appropr | riate assignee category or | categories (will not be pr | rinted on the patent): | ■ Individual □ C | orporat | ion or other private gro | up entity Government |
| a. The following fee(s) | are submitted: | 41 | b. Payment of Fee(s): (Ple A check is enclosed. | ease first reapply a | ny prev | viously paid issue fee s | hown above) |
| ☐ Issue Fee☐ Publication Fee (No small entity discount permitted) | | Payment by credit card. Form PTO-2038 is attached. | | | | | |
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| | tus (from status indicate | | | | | | _ |
| NOTE: The Issue Fee an | s SMALL ENTITY state d Publication Fee (if requ | uired) will not be accepte | b. Applicant is no lo | | | | R 1.27(g)(2). e assignee or other party in |
| nterest as shown by the | records of the United Sta | tes Patent and Trademark | Office. | ·· FF , ··8 | | , | |
| Authorized Signature | | | | Date | | | |
| Typed or printed name Registration No | | | | | | | |
| This collection of inform in application. Confident ubmitting the completed his form and/or suggesti Sox 1450, Alexandria, V Alexandria. Virginia 223 | tiality is governed by 35 d application form to the ions for reducing this but riginia 22313-1450. DO | CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR | on is required to obtain or 1.14. This collection is e 7 depending upon the indi 6 COMPLETED FORMS TO 1.14. The complete of th | retain a benefit by stimated to take 12 vidual case. Any co cer, U.S. Patent and O THIS ADDRES | the pub minute ommen Trader S. SEN | lic which is to file (and s to complete, including ts on the amount of tim nark Office, U.S. Depa D TO: Commissioner f | by the USPTO to process) g gathering, preparing, and he you require to complete rtment of Commerce, P.O. or Patents, P.O. Box 1450, |

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| 24239 | 7590 10/07/2010 | | EXAM | INER | |
| MOORE & VA | N ALLEN PLLC | | WEBB, GR | EGORY E | |
| P.O. BOX 13706 | | | ART UNIT | PAPER NUMBER | |
| Research Triangle Park, NC 27709 | | | 1796 | | |
| | | | DATE MAILED; 10/07/201 | 0 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 273 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 273 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

| | Application No. | Applicant(s) |
|---|--|--|
| | Application No. | , the manufacture of the second of the secon |
| Notice of Allowability | 10/581,475 | BERNHARD ET AL. |
| Notice of Amorrasinty | Examiner | Art Unit |
| | Gregory E. Webb | 1796 |
| The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI | (OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to | olication. If not included will be mailed in due course. THIS |
| 1. 🔀 This communication is responsive to amendment after fina | l and arguments filed 9/20/2010. | |
| 2. \boxtimes The allowed claim(s) is/are $\underline{1-13,15-18,20,25-31,33,35}$ and | <u> 1 39-43</u> . | |
| 3. ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have | been received. | |
| 2. Certified copies of the priority documents have | | |
| Copies of the certified copies of the priority does International Bureau (PCT Rule 17.2(a)). | cuments have been received in this i | lational stage application from the |
| * Certified copies not received: | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | complying with the requirements |
| 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | et be submitted. | |
| (a) \square including changes required by the Notice of Draftspers | on's Patent Drawing Review (PTO- | 948) attached |
| 1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date | | |
| (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date | s Amendment / Comment or in the C | ffice action of |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t | | |
| 6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT | | |
| | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) | 5. ☐ Notice of Informal P | otant Application |
| Induce of References Cited (PTO-092) Induce of References Cited (PTO- | 6. ☐ Interview Summary | • • |
| | Paper No./Mail Dat | ė . |
| 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date | 7. Examiner's Amendn | nent/Comment |
| 4. Examiner's Comment Regarding Requirement for Deposit | 8. 🛛 Examiner's Stateme | ent of Reasons for Allowance |
| of Biological Material | 9. | |
| /Gregory E. Webb/ Primary Examiner, Art Unit 1796 | | |
| | | |

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Art Unit: 1796

DETAILED ACTION

Election/Restrictions

1. Claim 1-13, 15-17 are directed to an allowable product. Pursuant to the procedures set forth in MPEP § 821.04(B), claims 18, 20, 25-31, 33, 35, 39-43, directed to the process of making or using an allowable product, previously withdrawn from consideration as a result of a restriction requirement, claims 18, 20, 25-31, 33, 35, 39-43 are hereby rejoined and fully examined for patentability under 37 CFR 1.104.

Because all claims previously withdrawn from consideration under 37 CFR 1.142 have been rejoined, the restriction requirement is hereby withdrawn. In view of the withdrawal of the restriction requirement as to the rejoined inventions, applicant(s) are advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Once the restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

REASONS FOR ALLOWANCE

- 2. Claims 1-13, 15-17, 18, 20, 25-31, 33, 35, 39-43 are found to be allowable.
- 3. The following is an examiner's statement of reasons for allowance:

4. The applicant's amendment filed 6/1/2010 defined the Markush group of instant claim 1 to include specific amines which are not found in the prior art of record. The combination of this Markush group of amines, the fluoride source, the organic solvent and water was not found in the prior art of record. Nor would it have been obvious to modify the prior art to achieve this specific combination of ingredients. As such the instant claims are found to be allowable.

Page 3

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory E. Webb whose telephone number is 571-272-1325. The examiner can normally be reached on 9:00-17:30 (m-f).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Harold Pyon can be reached on 571-272-1498. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/581,475

Art Unit: 1796

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Gregory E. Webb/ Primary Examiner, Art Unit 1796

Gregory E. Webb Primary Examiner Art Unit 1796 Page 4

gew